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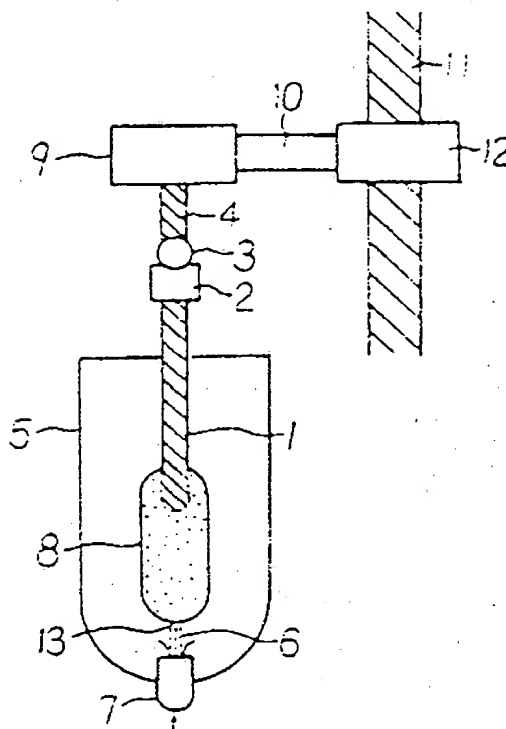
APPLICATION DATE : 04-09-87
APPLICATION NUMBER : 62220375

APPLICANT : SUMITOMO ELECTRIC IND LTD;

INVENTOR : HONGO HITOYASU;

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TITLE : METHOD AND DEVICE FOR
PRODUCING PREFORM FOR OPTICAL
FIBER



ABSTRACT : PURPOSE: To precisely direct a glass growing surface in the vertical direction and to efficiently obtain a porous glass body in a short time by splitting a seed rod into plural sections, and respectively connecting the sections in series through a universal coupling mechanism and a vibration absorbing mechanism.

CONSTITUTION: The upper end of the upper split seed rod 4 is fixed to the rotating and lifting device of the optical fiber preform producing device. The lower split seed rod 1 is further connected to the lower end of the upper split seed rod 4 through the universal coupling mechanism 3 free to bend and capable of transmitting the torsion and a damper 2 as the vibration absorbing mechanism, and inserted into a muffle 5. The seed rods 4 and 1 are rotated by a motor 9 and pulled up by a lifting motor 12, the fine glass material particles 6 formed in the flame of a burner 7 are simultaneously deposited on the tip of the lower split seed rod 1, and a porous glass body 8 is grown.

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